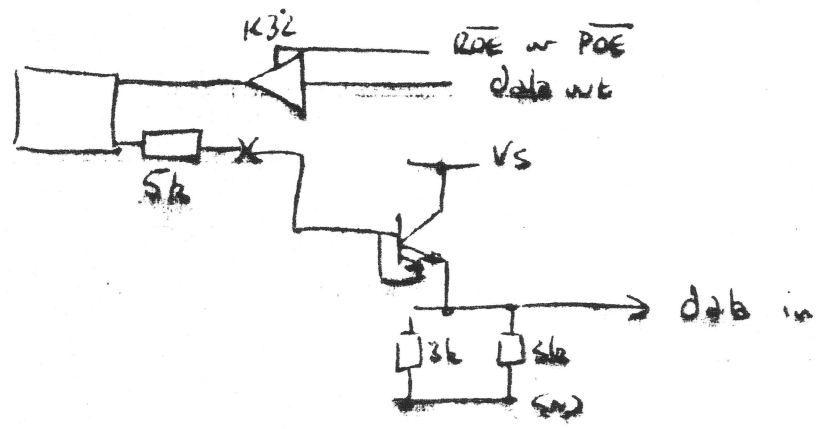


VLA - special peripheral cells

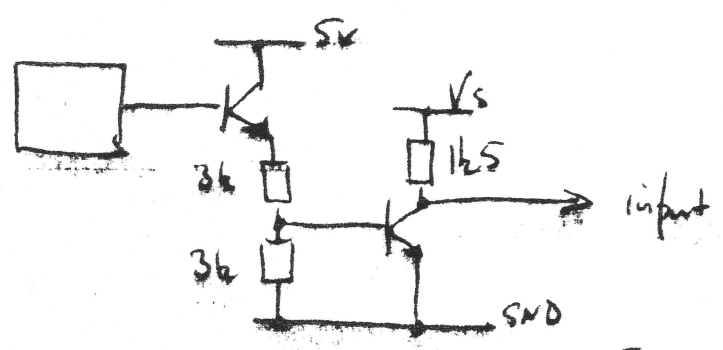
SBF 21/9/82

20 pins PDP-3, PDP-7 modified K32



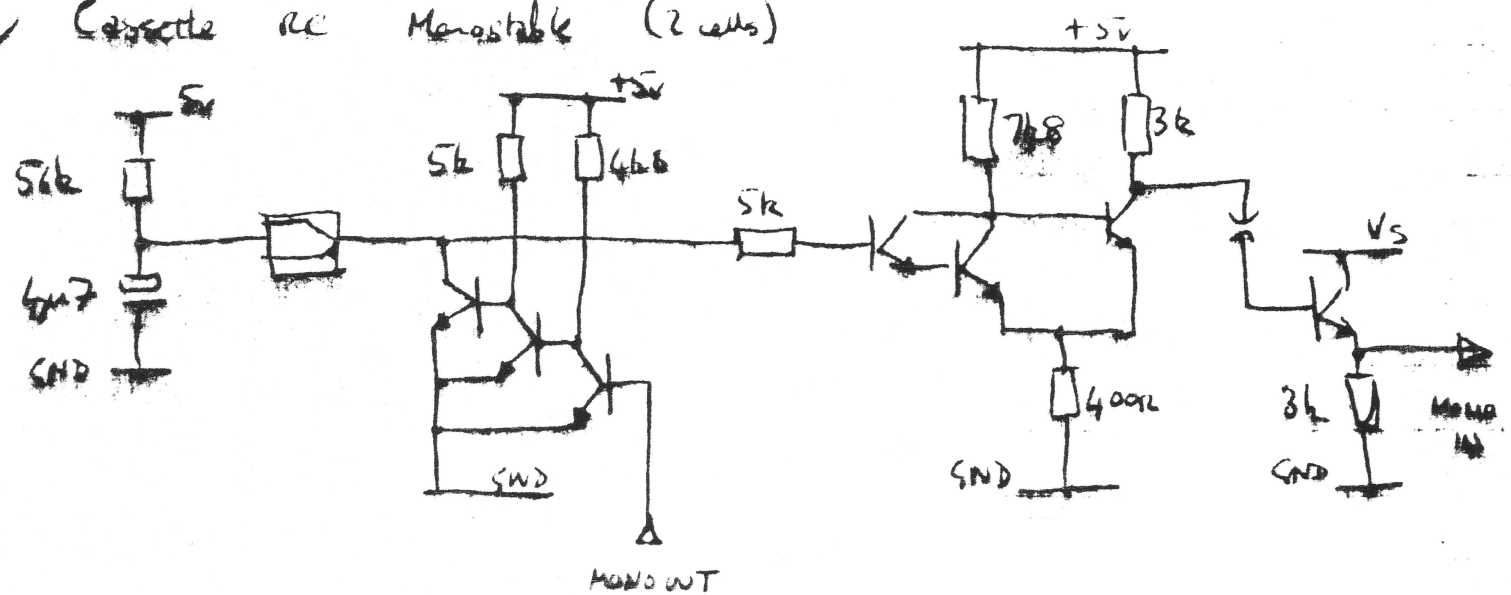
(uses emitter follower in matrix cell)

2/ Keyboard sense lines K13φ-3

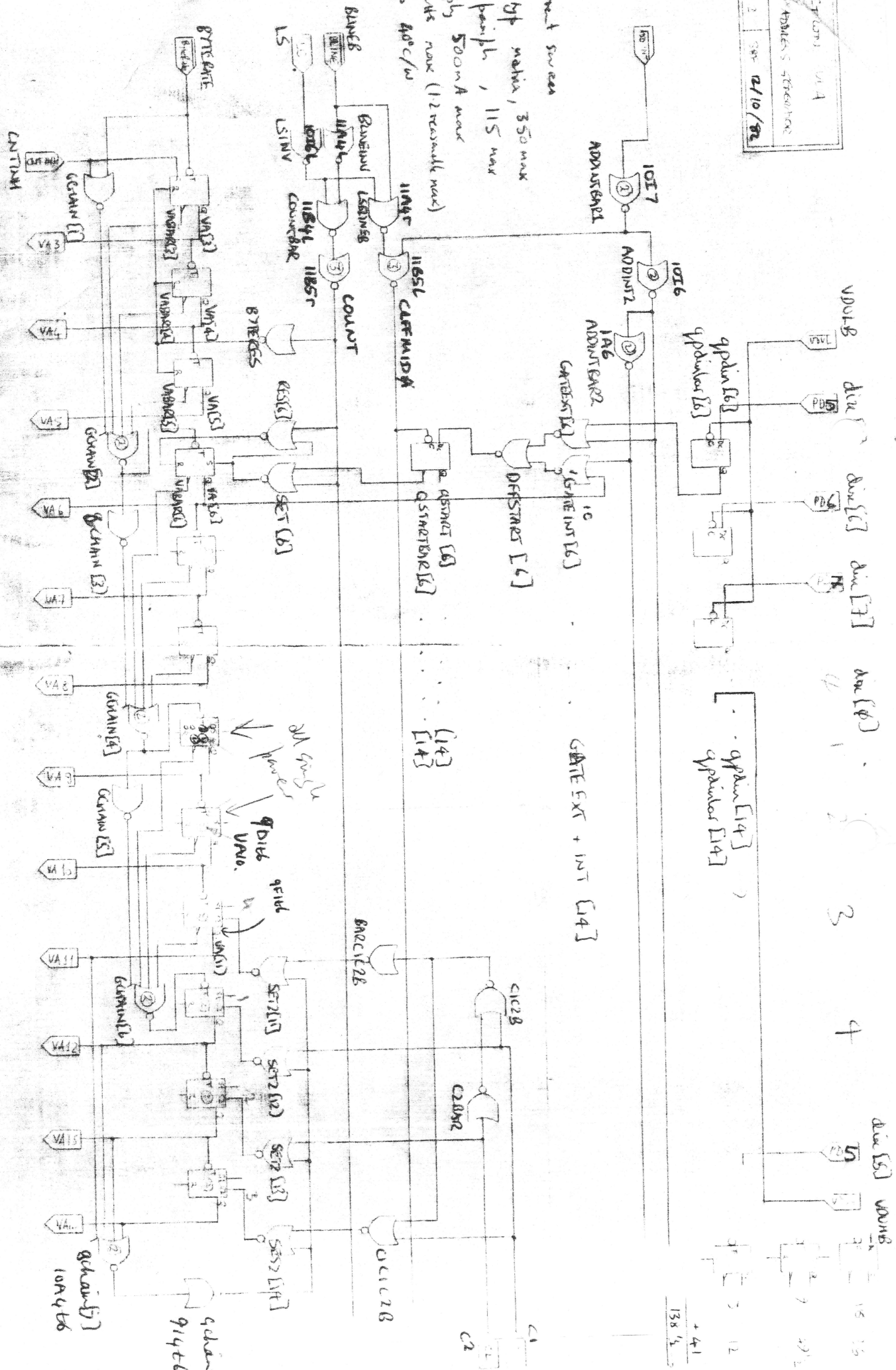


(driving source is TTL)  $\leftarrow$   $\rightarrow$  VLA

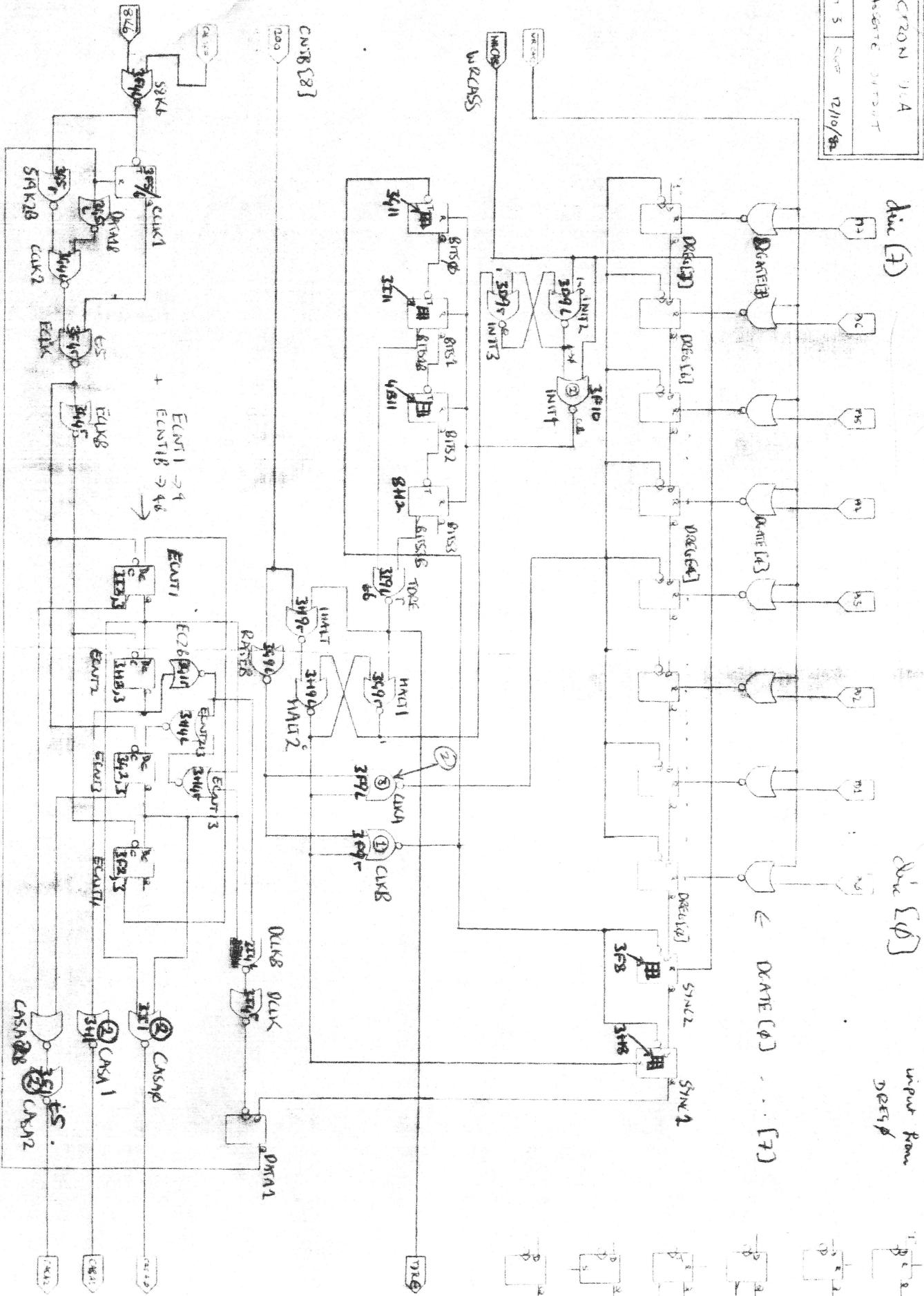
3/ Cassette AC Monostable (2 cells)



55 current source  
 max typ maxia, 350 max  
 typ peak, 115 max  
 at supply 500mA max  
 15 watts max (12 resolvable max)  
 15 typ A0°C/W



15	15
7	7
5	5
12	12
41	41
138	138

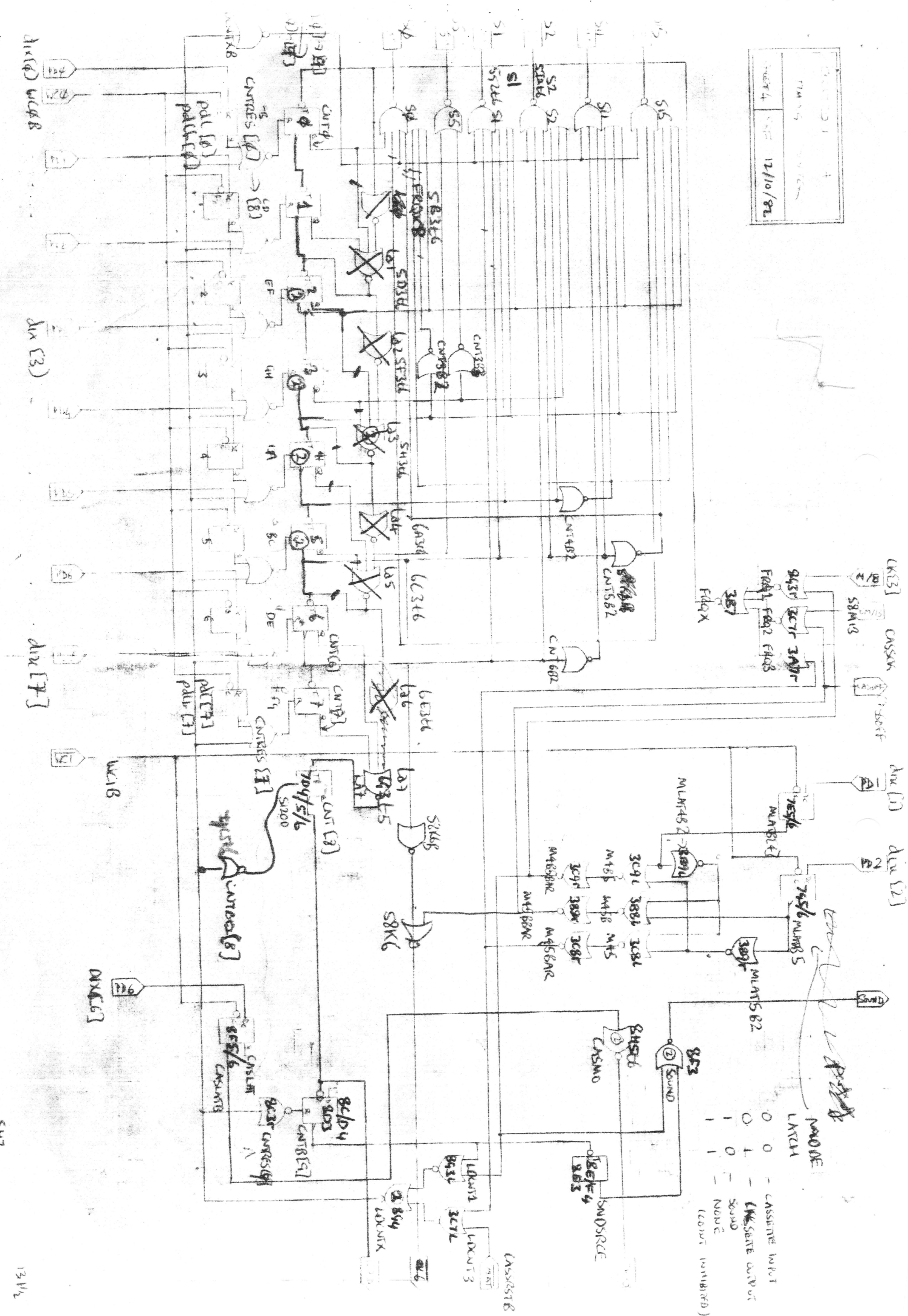


line [7]

line [4]

3 F8 ts.  
input from  
DEEP

12/10/82  
 12/10/82



5H7

13/1/2

Electrical VLSI  
 Schematic  
 Date: 12/10/22

READING → COLUMN - SPECIFIED IN CELL MODE

$X0 \times 1 \times 1 \times 1 \rightarrow 16 \text{ COL MODE}$

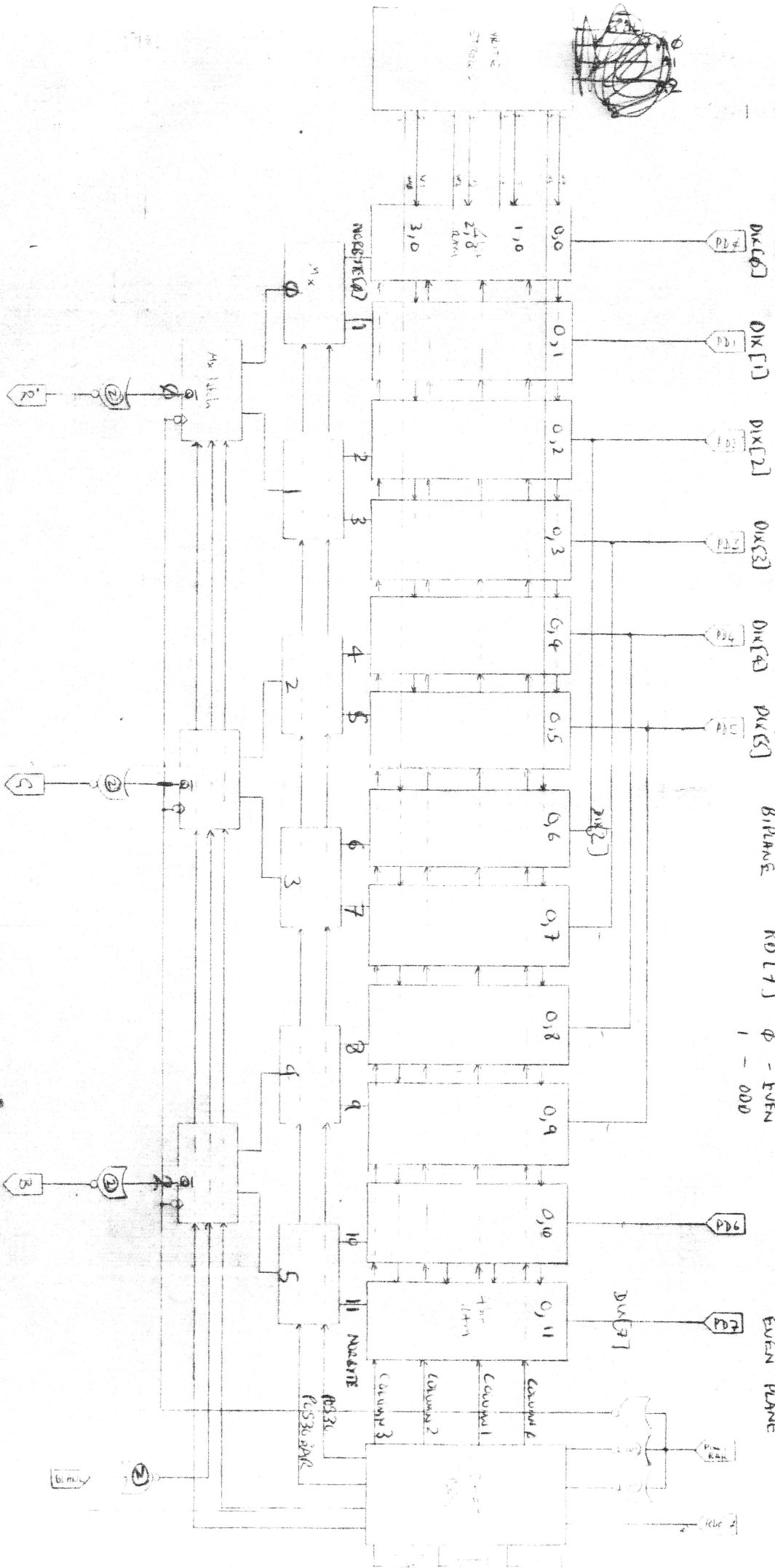
= COLUMN 2 = [2,3]  
 ODD PLANE [2,7]  
 ODD BRPLANE [2,11]

PLANE RD[3] -  $\emptyset$  - EVEN  
 1 - ODD  
 BRPLANE RD[7]  $\emptyset$  - EVEN  
 1 - ODD

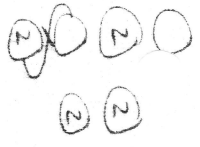
RD[1] RD[5]  
 0 0 3  
 0 1 2  
 1 0 1  
 1 1  $\emptyset$

NOTE  
 QUALITY VALUES  
 INVERSE OF RD  
 VALUES

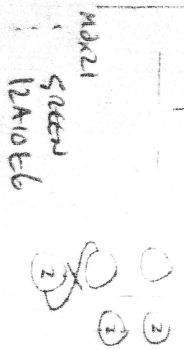
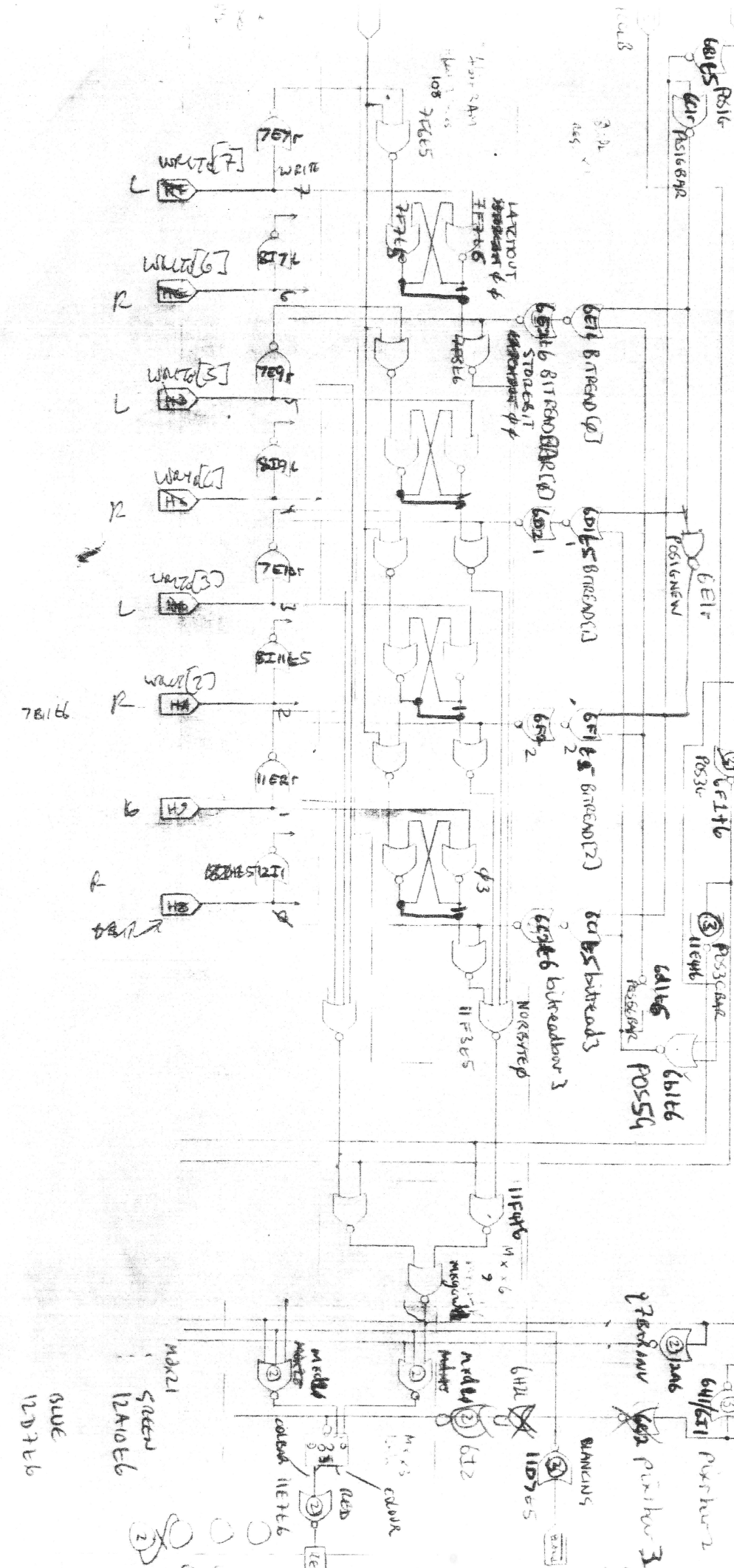
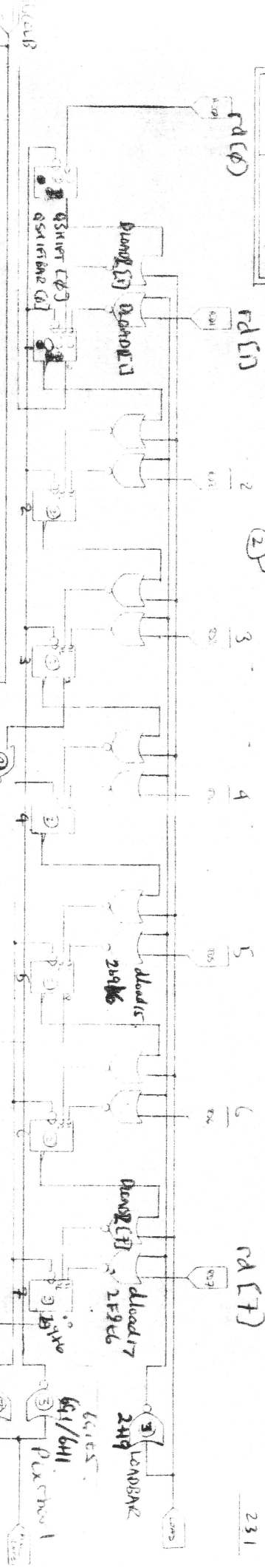
DETAILS - COLUMN 3  
 EVEN PLANE



ELECTRONIC UTA  
 401 380 / 380 LECTIC  
 DATE 12/10/94

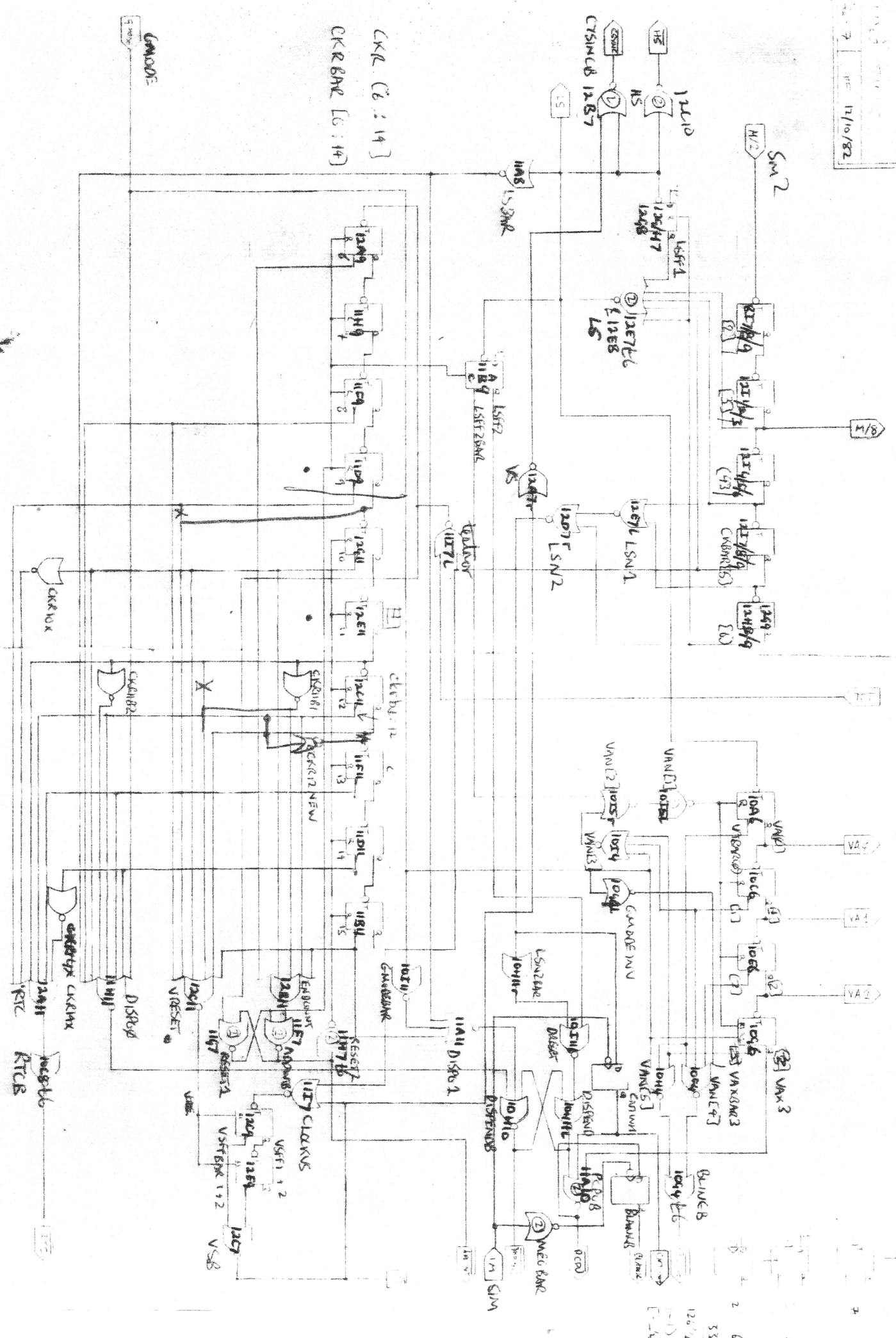


12 66  
 165  
 231

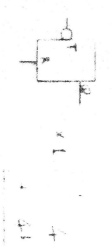
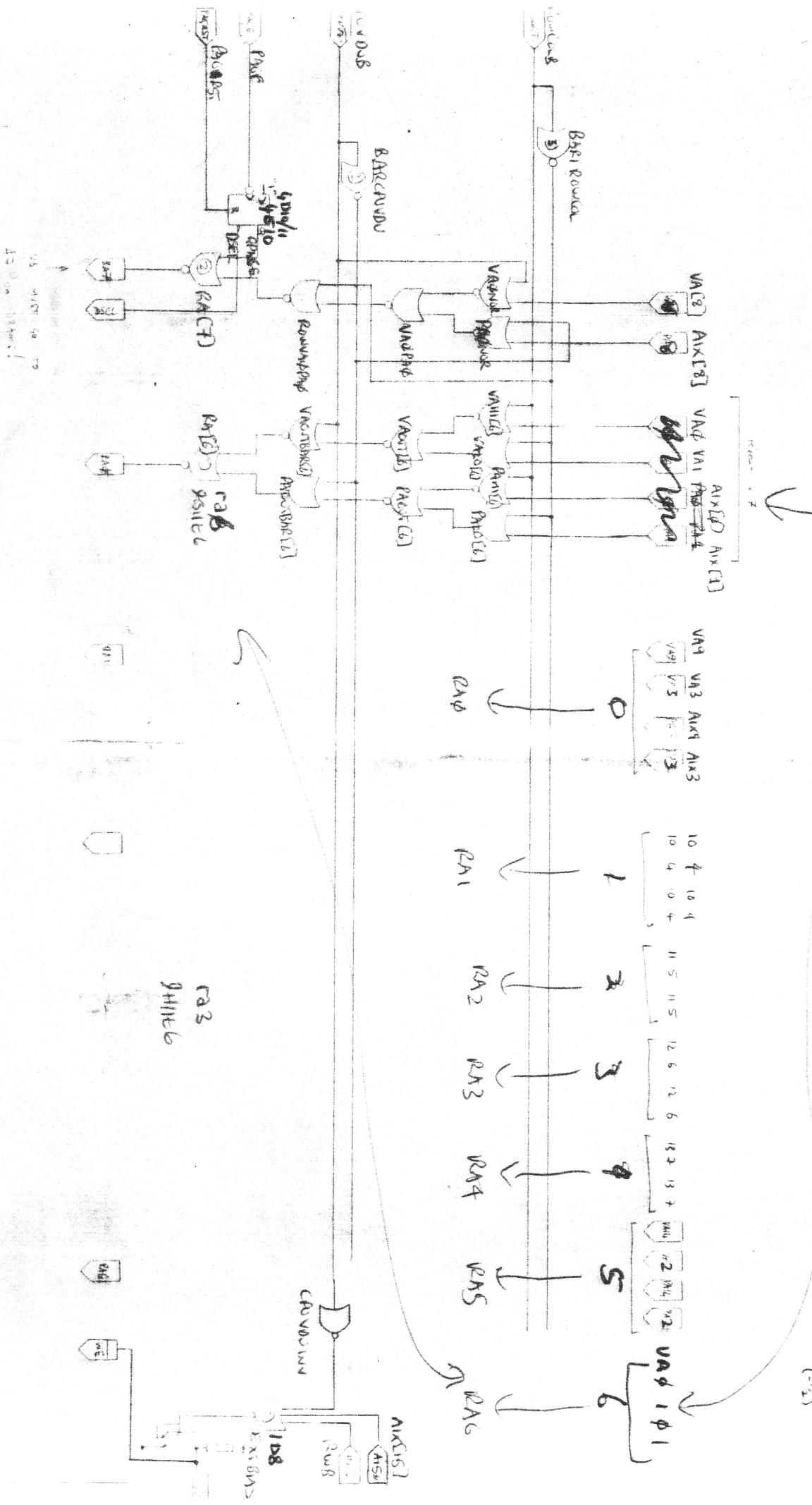


BLUE  
 12D766

SECTION 11.1A  
 DATE: 11/10/82



15 60  
 21



47 K  
 (1/2)

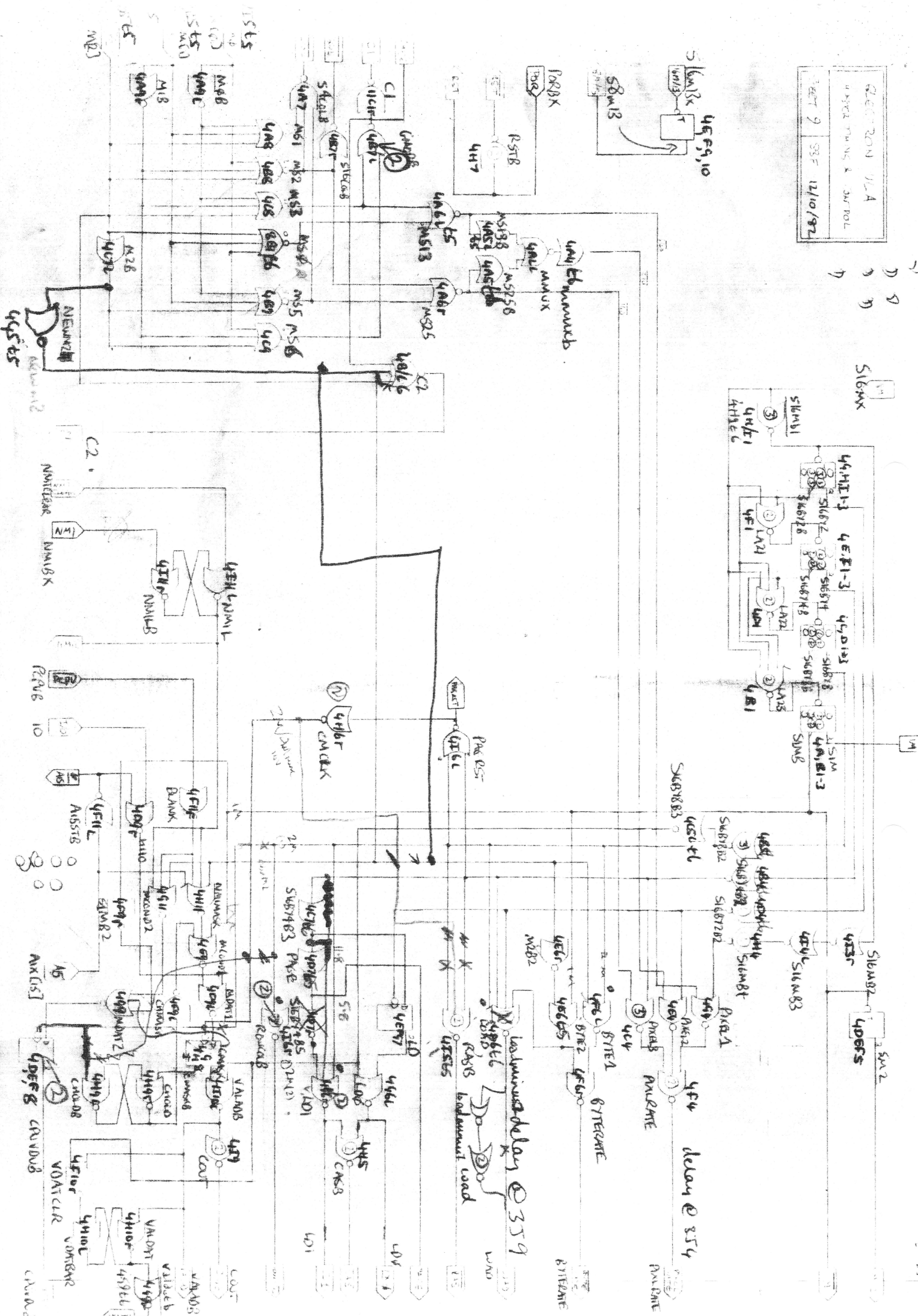
RA3  
 RA2  
 RA1  
 RA0

VA1 VA0  
 RA3 RA2 RA1 RA0

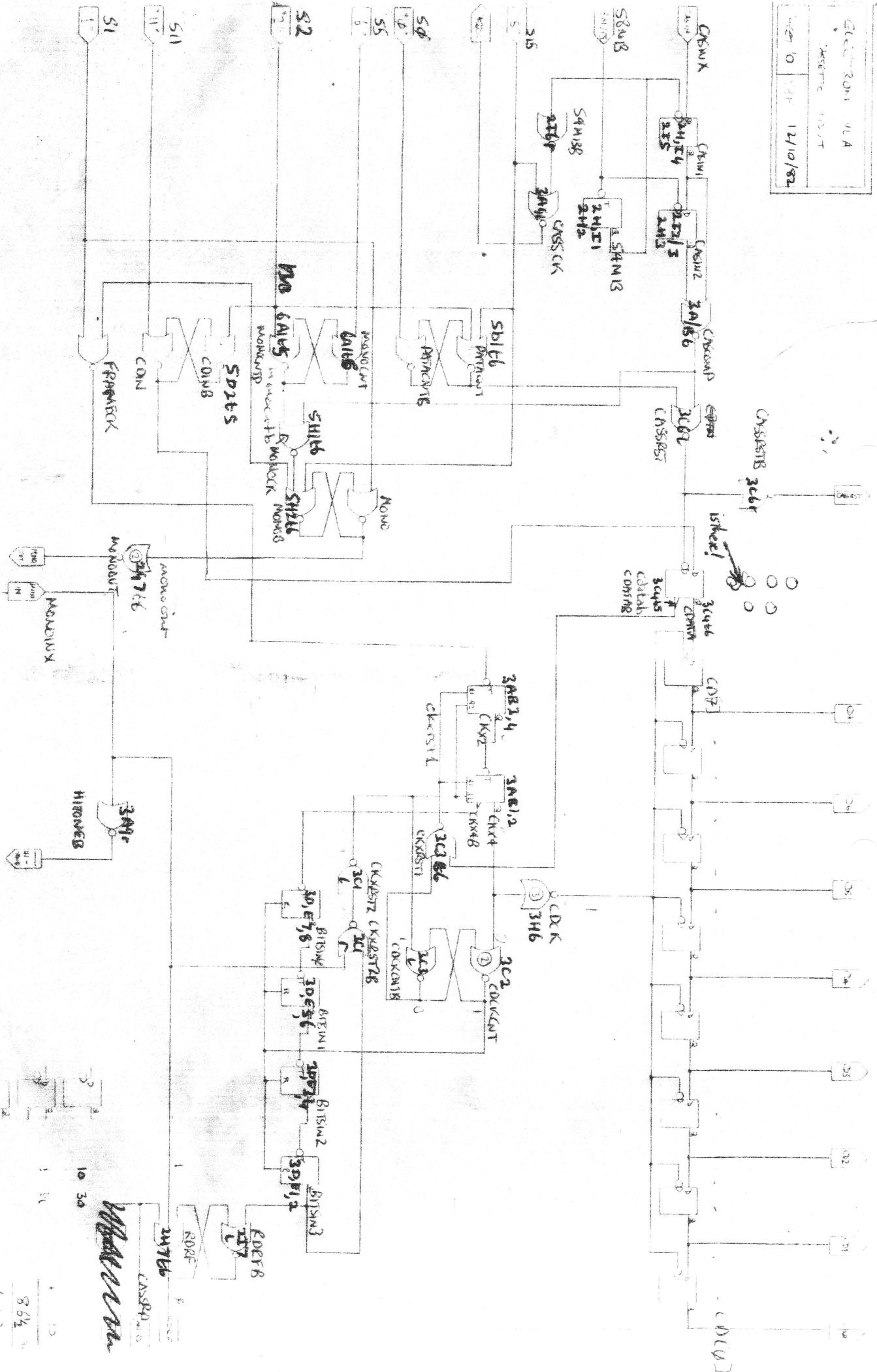


QUESTIONS 1/4  
 4 QUESTIONS & ANSWERS  
 TEST 9 33F 12/10/92

7  
 8  
 9



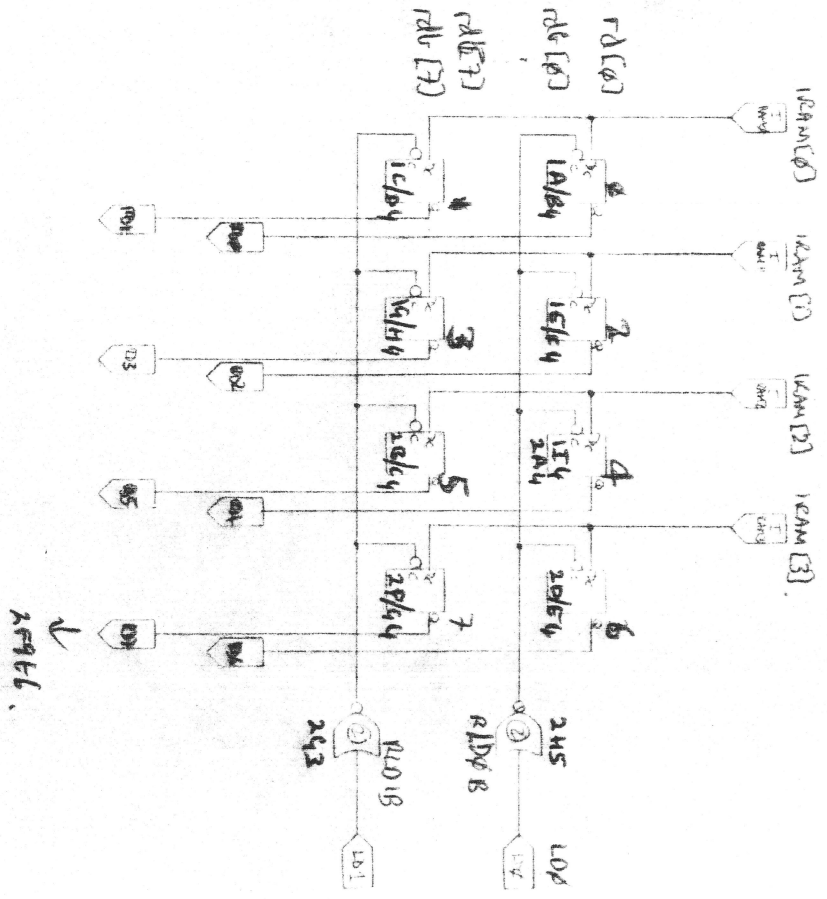
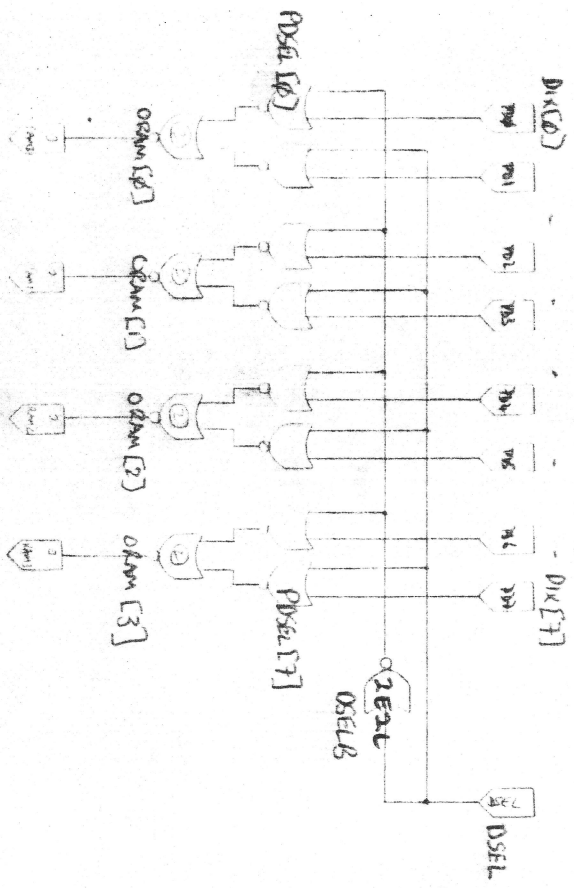
ELECTRONIC ULA  
 ASSEMBLY INSTRUCTIONS  
 REV 10 DATE 12/10/82



1165  
1165

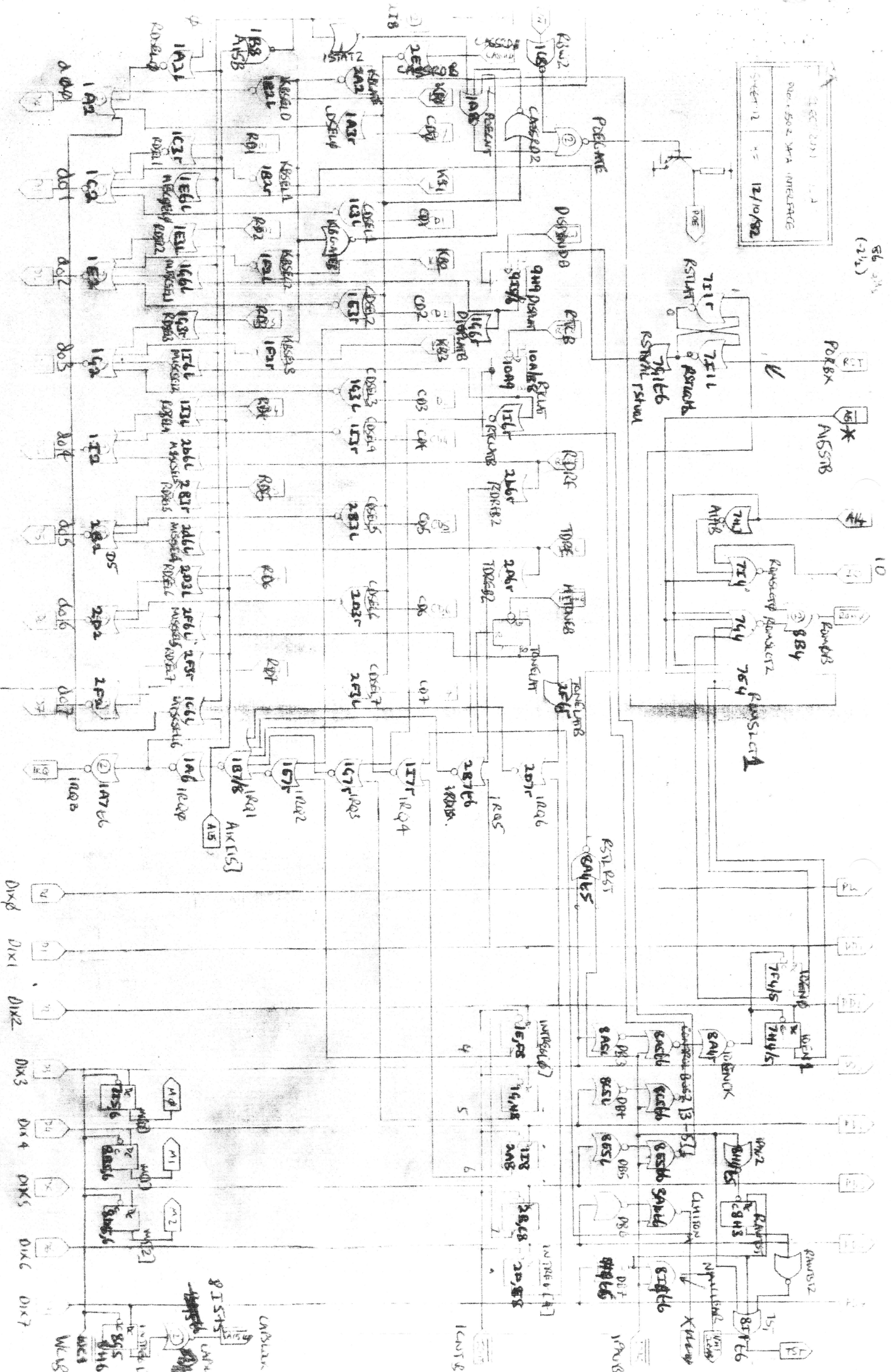
30E78 BIT5W  
 30E56 BIT5N1  
 30E74 BIT5W2  
 30E72 BIT5N2  
 30E71 BIT5W3  
 30E70 BIT5N3  
 30E69 BIT5W4  
 30E68 BIT5N4  
 30E67 BIT5W5  
 30E66 BIT5N5  
 30E65 BIT5W6  
 30E64 BIT5N6  
 30E63 BIT5W7  
 30E62 BIT5N7  
 30E61 BIT5W8  
 30E60 BIT5N8  
 30E59 BIT5W9  
 30E58 BIT5N9  
 30E57 BIT5W10  
 30E56 BIT5N10  
 30E55 BIT5W11  
 30E54 BIT5N11  
 30E53 BIT5W12  
 30E52 BIT5N12  
 30E51 BIT5W13  
 30E50 BIT5N13  
 30E49 BIT5W14  
 30E48 BIT5N14  
 30E47 BIT5W15  
 30E46 BIT5N15  
 30E45 BIT5W16  
 30E44 BIT5N16  
 30E43 BIT5W17  
 30E42 BIT5N17  
 30E41 BIT5W18  
 30E40 BIT5N18  
 30E39 BIT5W19  
 30E38 BIT5N19  
 30E37 BIT5W20  
 30E36 BIT5N20  
 30E35 BIT5W21  
 30E34 BIT5N21  
 30E33 BIT5W22  
 30E32 BIT5N22  
 30E31 BIT5W23  
 30E30 BIT5N23  
 30E29 BIT5W24  
 30E28 BIT5N24  
 30E27 BIT5W25  
 30E26 BIT5N25  
 30E25 BIT5W26  
 30E24 BIT5N26  
 30E23 BIT5W27  
 30E22 BIT5N27  
 30E21 BIT5W28  
 30E20 BIT5N28  
 30E19 BIT5W29  
 30E18 BIT5N29  
 30E17 BIT5W30  
 30E16 BIT5N30  
 30E15 BIT5W31  
 30E14 BIT5N31  
 30E13 BIT5W32  
 30E12 BIT5N32  
 30E11 BIT5W33  
 30E10 BIT5N33  
 30E9 BIT5W34  
 30E8 BIT5N34  
 30E7 BIT5W35  
 30E6 BIT5N35  
 30E5 BIT5W36  
 30E4 BIT5N36  
 30E3 BIT5W37  
 30E2 BIT5N37  
 30E1 BIT5W38  
 30E0 BIT5N38

86%  
 (-1%)



12/10/82  
 No. 502 VMA INTERFERENCE  
 Sheet 12

56 3/4 (2 1/2)

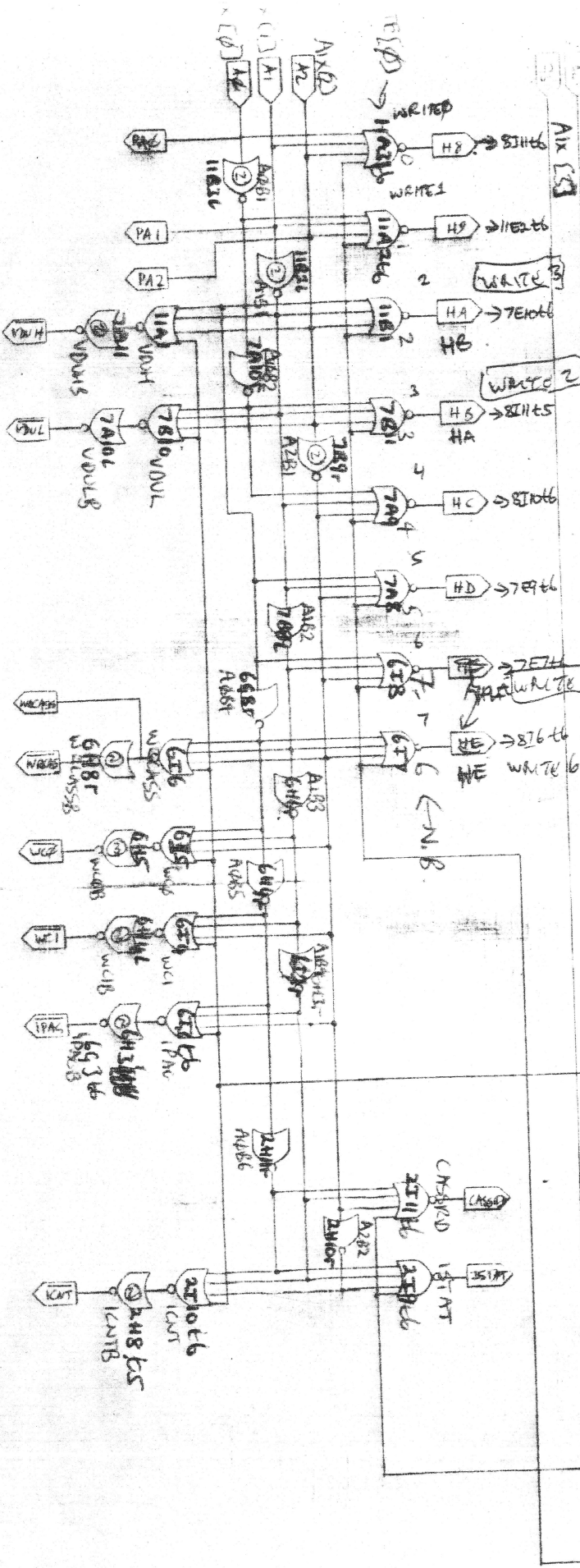
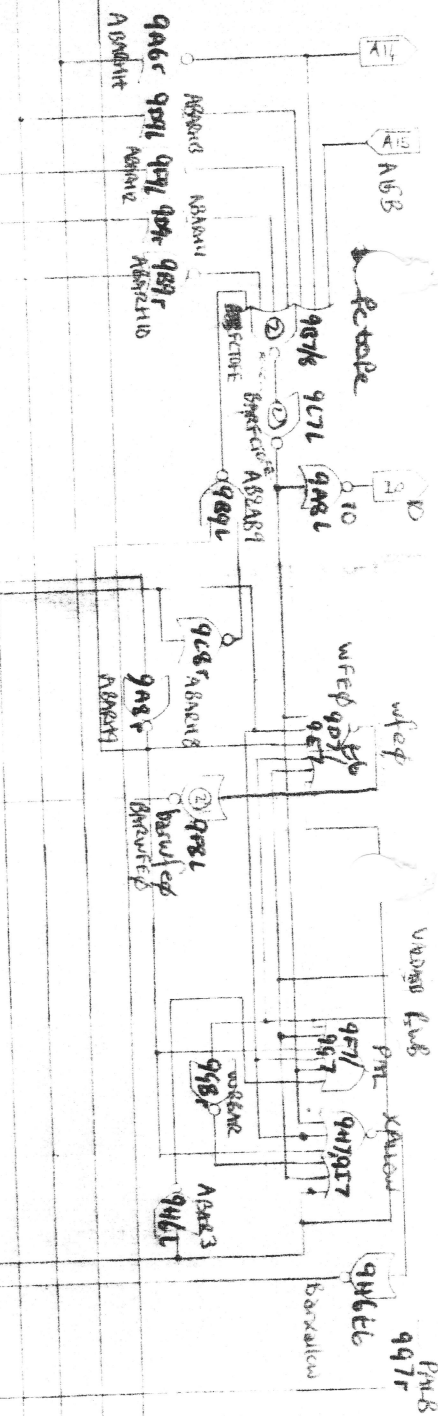


DIX0  
 DIX1  
 DIX2  
 DIX3  
 DIX4  
 DIX5  
 DIX6  
 DIX7

81575  
 81576  
 81577  
 81578  
 81579  
 81580  
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 81582  
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 81595  
 81596  
 81597  
 81598  
 81599  
 81600

ELECTRONIC  
 QUESTION BOOKS INTER EXE  
 SCLT. No 12/10/82

AIX [152]



PMB  
 997F  
 996E  
 bar-xallom

996E  
 997F  
 bar-xallom  
 996E  
 997F  
 bar-xallom  
 996E  
 997F  
 bar-xallom

996E  
 997F  
 bar-xallom  
 996E  
 997F  
 bar-xallom  
 996E  
 997F  
 bar-xallom

996E  
 997F  
 bar-xallom  
 996E  
 997F  
 bar-xallom  
 996E  
 997F  
 bar-xallom

996E  
 997F  
 bar-xallom  
 996E  
 997F  
 bar-xallom  
 996E  
 997F  
 bar-xallom

996E  
 997F  
 bar-xallom  
 996E  
 997F  
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 996E  
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996E  
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996E  
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996E  
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996E  
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 996E  
 997F  
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 996E  
 997F  
 bar-xallom

996E  
 997F  
 bar-xallom  
 996E  
 997F  
 bar-xallom  
 996E  
 997F  
 bar-xallom

Electron Expansion Bus Connector

<u>Pin</u>	<u>Description</u>	<u>Pin</u>	<u>Description</u>
1	18v AC	26	D0
2	18v AC	27	NC
3	18v RETURN	28	NC
4	18v RETURN	29	NC
5	-5v	30	NC
6	-5v	31	A15
7	NC 0v	32	A14
8	NC 0v	33	A13
9	+5v	34	A12
10	+5v	35	A11
11	SOUND OP	36	A10
12	16 MHz	37	A9
13	16 MHz/13	38	A0
14	PHI OUT	39	A1
15	~RESET	40	A2
16	~NMI	41	A3
17	~IRQ	42	A4
18	R/~W	43	A5
19	D7	44	A6
20	D6	45	A7
21	D5	46	A8
22	D4	47	0v
23	D3	48	0v
24	D2	49	NC +5
25	D1	50	NC +5